

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Fusao Ishii
Art Unit	
Examiner Name	
Attorney Docket Number	FIshii004

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4956619-B1	09-11-1990	L. J. Hornbeck	
		US- 5600383-B1	02-04-1997	L. J. Hornbeck	
		US- 6038056-B1	03-14-2000	J. M. Florence, et al.	
		US- 5631782-B1	05-20-1997	G. C. Smith, R. M. Boysel	
		US- 6413793-B1	07-02-2002	C.-C. Lin, et al.	
		US- 5510915-B1	04-23-1996	S. Ge, et al.	
		US- 5537234-B1	07-16-1996	R. L. Williams, et al.	
		US- 5737052-B1	04-07-1998	A. Kimura	
		US- 6348991-B1	02-19-2002	R. D. Smith, K. Raj	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**  
TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	
		First Named Inventor	Fusao Ishii
		Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	FIshii004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		D. SCOTT DEWALD, et al., "Advances in contrast enhancement for DLP projection displays," Journal of the SID, 2003, pp. 177-181, vol. 11, no. 1, Society for Information Display, San Jose, California, USA.	
		V. T. SRIKAR and S. M. SPEARING, "Materials selection for microfabricated electrostatic actuators," Sensors and Actuators A, 2003, pp. 279-285, vol. 102, Elsevier, Amsterdam.	
		C. L. MUHLSTEIN, et al., "High-cycle fatigue and durability of polycrystalline silicon thin films in ambient air," Sensors and Actuators A, 2001, pp. 177-188, vol. 94, Elsevier, Amsterdam.	
		C. L. MUHLSTEIN, et al., "High-cycle fatigue of single-crystal silicon thin films," Journal of Microelectromechanical Systems, December 2001, pp. 593-600, vol. 10, no. 4, IEEE, New York.	
		MOHAMED GAD-EL-HAK, ed., The MEMS Handbook, 2002, pp. 16-143-144, CRC Press, Boca Raton, Florida.	
		M. KRIEGER, Homeowner's encyclopedia of house construction, 1978, pp. 21-22 and pp. 308-313, McGraw-Hill, New York.	
		F. D. K. CHING and C. ADAMS, Building construction illustrated, 2001, p. 3.10 and p. 5.48, John Wiley & Sons, New York.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.